

REMARKS

The Office Action has been received and reviewed. In light of the above amendments and following remarks, Applicants submit that the application is in condition for allowance, for which early action is requested.

Claims 1-4, 7-15, 18-22 and 32-35 are currently pending in the present application. Claims 23-27 and 30-31 are canceled.

Claims 1, 2, 7, 10-15, 18-22 and 32-35 were rejected under 35 U.S.C. §103(a) as being unpatentable over Willey *et al* (U.S. Patent No. 5,854,785) in view of Lee *et al* (U.S. 2003/01746774A1), Wang *et al* (U.S. Patent No. 6,178,164), Persson et al. (U.S. Patent No. 5,557,704) and Alvesalo (U.S. Patent No. 5,384,824).

As explained in Applicants' previous amendment, the inventive feature of the present invention is "the device performs an early camping operation which reduces a time gap for receiving paging messages from the second base station during cell reselection." (All independent claims) This feature is readily shown by contrasting prior art Figure 3 with Figure 4 showing an embodiment of the present invention. In prior art Figure 3, the device is receiving the paging channel from a first basestation until time T_{31} ; at which time the device switches over to a second basestation (at T_{32}). However, the device must wait for the system information sent over the paging channel of the second basestation before it can receive paging messages from that second basestation (at T_{33}). [1035] By contrast in Figure 4, the device receives the system information over the broadcast channel of the second basestation (at T_{43}) which allows the device to receive paging messages (over the paging channel) from that second basestation. Hence, the present invention significantly reduces the time gap (from T_{32} - T_{33} to T_{42} - T_{43}) after reselection during which the device cannot receive paging messages over the paging channel of the second basestation. [1039-1040] This is possible because the broadcast channel sends just enough system information to allow receipt of paging messages and does so much more frequently than the paging channel sends the full system information. [1039] However, prior art GSM systems do not look for this information on the broadcast channel during reselection.

The Examiner contends the claims do not recite/support this inventive feature. (Office Action page 3) Applicants respectfully submit that this inventive feature is recited in at least the following claim limitations:

1) “starting monitoring of the paging channel upon receiving the sufficient system information from the second base station and prior to completing the cell reselection procedure.” (Claim 7; Claims 1, 10, 11 contain similar limitation) Prior art systems do not start monitoring the paging channel before cell reselection is complete.

2) “decoding designated system information from a broadcast channel of the second base station in response to the indication to perform cell reselection.” (Claims 12, 18, 20) Although prior art systems do include the designated system information on the broadcast channel, it is not used during cell reselection by prior art systems.

3) “determining which particular time intervals are assigned to the apparatus for the paging channel based on the sufficient system information.” (Claim 7; Claims 1, 10, 11 contain similar limitation) Prior art systems do not use the sufficient system information to determine the time intervals of the paging channel.

4) “if the designated system information from the second base station is decoded successfully, switch to the second base station and initiate a cell reselection procedure for the second base station” (Claims 12, 18, 20) Prior art systems do initiate cell reselection upon successful decoding of the designated system information.

Applicants believe that these limitations sufficiently recite the inventive feature of the present invention. Moreover, Applicants contend that Willey, Lee, Wang, Persson, and Alvesalo do not meet any of these limitations; and hence do not meet the inventive feature. Accordingly, for at least these reasons, Willey, Lee, Wang, Persson, and Alvesalo fail to obviate the present invention and the rejected claims should now be allowed.

Claims 23, 24, 26, 30 and 31 were rejected under 35 U.S.C. §103(a) as being unpatentable over Willey *et al* in view of Lee and Wang *et al* and further in view of Weaver, Jr *et al* (U.S. Patent No. 5,828,661). Claims 23, 24, 26, 30 and 31 have been canceled. Therefore, this rejection is moot.

Claims 3, 4, 8 and 9 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Willey, Lee, Wang, Persson, and Alvesalo and further in view of Hafiz (U.S. Patent No. 6,505,042). However, Hafiz is relied upon by the Examiner solely to meet the limitations found in the dependent claims. However, for the same reasons discussed above, Hafiz does

not cure the failure of the base references (Willey, Lee, Wang, Persson, and Alvesalo) to obviate the present invention. Accordingly, the rejected claims should now be allowed.

Claims 25 and 27 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Willey, Lee, Wang, Persson, Alvesalo, and Weaver, Jr *et al* and further in view of Anderson *et al* (U.S. Patent No. 6,161,013). Claims 25 and 27 have been canceled. Therefore, this rejection is moot.

Claim 28 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Willey in view of Lee, Wang *et al*, and Weaver, Jr *et al* and further in view of Persson (U.S. Patent No. 5,557,704). Claim 29 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Willey in view of Lee, Wang *et al*, Weaver, Jr *et al*, and Persson and further in view of Alvesalo (U.S. Patent No. 5,384,824).

CONCLUSION

In light of the amendments contained herein, Applicants submit that the application is now in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

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